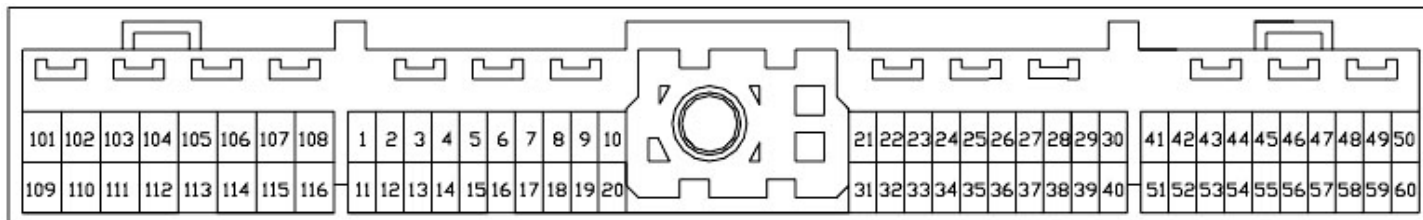




Nissan 1989-1993 180SX CA18DET, 88-91 Silvia S13 CA18DET,  
93-96 Silvia S14 SR20DET (Non European Version)

Revised October 11, 2005

## ECU Pinout Diagram



### Connector

Pin #	Name	Function	Signal Type
7	Tachometer Signal	Engine Speed Sensor Signal	Speed
10	Power Ground (Engine Control Module)	Chassis Ground	Ground
20	Power Ground (Engine Control Module)	Chassis Ground	Ground
23	Knock Sensor	Knock Sensor Signal	Knock, Audio
26	Mass Air Flow Sensor Ground	Chassis Ground	Ground
27	Mass Air Flow Sensor	Mass Air Flow Sensor Signal	Analog
28	Engine Coolant Temperature Sensor	Engine Coolant Temperature Sensor Signal	Analog
29	O2 Sensor Signal	Oxygen Sensor Signal	Analog
30	Sensor Ground	Chassis Ground	Ground
35	Boost Pressure Sensor (Only for SR20DET)	Boost Pressure Sensor Signal (Only for SR20DET)	Analog
38	Throttle Position Sensor	Throttle Position Sensor Signal	Analog
45	Ignition Switch	12V Switched	Power
49	Power Supply (Engine Control Module)	12V Switched	Power
50	Power Ground (Engine Control Module)	Chassis Ground	Ground
53	Vehicle Speed Sensor	Vehicle Speed Sensor Signal	Speed
58	Power Supply (Aux)	12V Permanent	Power
59	Power Supply (Engine Control Module)	12V Switched	Power
60	Power Ground (Engine Control Module)	Chassis Ground	Ground
101	Injector # 1	Engine Speed Sensor Signal # 1	Speed
103	Injector # 3	Engine Speed Sensor Signal # 3	Speed
107	Power Ground (Engine Control Module)	Chassis Ground	Ground
108	Power Ground (Engine Control Module)	Chassis Ground	Ground
110	Injector # 2	Engine Speed Sensor Signal # 2	Speed
112	Injector # 4	Engine Speed Sensor Signal # 4	Speed
116	Power Ground (Engine Control Module)	Chassis Ground	Ground

## Caution!

If you are not familiar with the vehicle's electrical systems, onboard sensors, and vehicle dynamics, DO NOT attempt to perform ANY installation of PLX Devices Inc. product(s). PLX Devices Inc. does not guarantee 100% accuracy, compatibility and specific application functionality of these documents. Use these documents as guidelines ONLY and refer to your vehicle's service manual for detailed information.